

8-7-06

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of:

David A. WILLIAMS, et al.

Serial No. 10/705,561

Filed: November 11, 2005

METHODS FOR ENHANCED
RETROVIRAL-MEDIATED GENE
TRANSFER USING MOLECULES
WITH VIRUS-AND CELL BINDING

)
)
) Before the Examiner
) Kelaginamane T. Hiriyanne

)
) Art Unit 1633

)
) Confirmation No. 5476

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

MAIL STOP AMENDMENT
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97, and 1.98, Applicant requests consideration of the references listed on the attached PTO/SB/08 forms and/or the additional information identified below.

A legible copy of each foreign patent document and publication listed on the PTO/SB/08 form is enclosed.

☐ I hereby certify that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, Mailing Label No. EV747273142US, on the date indicated below.

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8/4/06
Date

Concise Explanation of Relevance for Non-English Language Information

For each the non-English language reference listed on the attached SB/08 forms, reference is made to a related patent publication (in the English language) cited herewith, as follows:

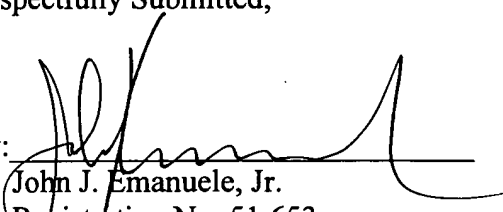
Foreign Patent Document	Corresponding English Language Patent Document
WO 97/18318	6,472,204 B1

This information Disclosure Statement is submitted after three months from the filing date and after the first Office Action on the merits, but prior to the mailing date of a final Office Action or Notice of Allowance, and thus a fee of \$180.00 (set forth in 37 CFR §1.17(p)) is enclosed. Should any other fee be required, please charge such fee to Deposit Account No. 23-3030, but not to include any payment of issue fees.

The filing of this Information Disclosure Statement shall not be construed as an admission that the information cited is, or is considered to be, material to patentability as defined in §1.56(b).

Respectfully Submitted,

By:


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WEMMH/SB/08A (4/03)

Approved for use through 10/31/2002. OMB 0851-0031

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/705,561
				Filing Date	11/11/2003
				First Named Inventor	David A. WILLIAMS
				Group Art Unit	1633
				Examiner Name	
Sheet	1	of	3	Attorney Docket Number	7037-485
U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Application of Cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
		6,472,204 B1	10-29-2002	Asada et al	

Examiner Signature		Date Considered	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known		
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				First Named Inventor	David A. WILLIAMS	
				Group Art Unit	1633	
				Examiner Name		
Sheet	2	of	3	Attorney Docket Number	7037-485	
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite ¹ No.	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	⁶
		WO 97/18318 A1	05-22-1997	Takara Shuzo Co., L		<input type="checkbox"/>

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				Examiner Name	
Sheet	3	of	3	Attorney Docket Number	7037-485

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. 1	include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s) publisher city and/or country where published	T ²
		CAVAZZANA-CALVO, MARINA ET AL., "Gene therapy of Human Severe Combined Immunodeficiency (SCID)-X1 Disease", Science, 2000, Vol./Issue No. 288, pp. 669-672	<input type="checkbox"/>
		DHAWAN, SUBHASH ET AL, "Increased expression of alpha-4-beta-1 and alpha-5-beta-1 integrins on HTLV-I-infected lymphocytes", Virology, 1993, Vol./Issue No. 197:2, pp. 778-781	<input type="checkbox"/>
		HANANBERG, H. ET AL, "Colocalization of Retrovirus and Target Cells on Specific Fibronectin Fragments Increases Genetic Transduction of Mammalian Cells", Nature Medicine, August 1996, Vol./Issue No. 2:8, pp. 876-882	<input type="checkbox"/>
		MORGAN, JEFFREY R. ET AL, "Rapid Quantitation of Recombinant Retroviruses", Biotechnology Progress, 1994, Vol./Issue No. 10:4, pp. 441-446	<input type="checkbox"/>
		MORITZ, T. ET AL., "Fibronectin improves transduction of reconstituting hematopoietic stem cells by retroviral vectors: evidence of direct viral binding to chymotryptic carboxy-terminal fragments", Blood, 1996, Vol./Issue No. 88:3, pp. 855-862	<input type="checkbox"/>
		TRAYCOLL, CM, ET AL., "The 30/35 kD Chymotryptic Fragment of Fibronectin Enhances Retroviral-Mediated Gene Transfer (RMGT) in Chronic Myelogenous Leukemia (CML) CD34+ HLA-DR+ and CD34+ HLA-DR- Bone Marrow Progenitors" Ex Hem. 1995, Vol./Issue No. 22:8, pp. 934	<input type="checkbox"/>

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